

**DEPARTMENT OF THE INTERIOR
ELKO FIELD OFFICE - ELKO 21 FIRE COMPLEX
BURNED AREA EMERGENCY REHABILITATION PLAN AND ACCOMPLISHMENT REPORT**

PART F - SPECIFICATIONS

SPECIFICATION TITLE:	CULTURAL RESOURCE INVENTORY OF LINEAR PROJECTS: BULLDOZER LINES, ROAD MAINTENANCE AND FENCES.	AGENCY:	BLM Elko F.O.
PART E LINE ITEM:	C-1a Archaeological Resource Damage Assessment (BLM 98-148 III. K)	FISCAL YEAR(S) (list each year):	2001-2003

I. WORK TO BE DONE

Number and Describe Each Task:

A. General Description: Suppression and rehabilitation efforts of linear projects at 21 fires during the period of July 25 through September 6 have damaged or may result in damages to cultural resources. Linear projects include bulldozer lines, road maintenance activities and new fence construction. Although the projects are dissimilar, the cultural resource inventory effort for each is similar and disparate projects may be put together in one contract. Thus, for the purposes of this plan they are treated together.

Construction of approximately 320 miles of bulldozer line, safety zones, staging areas and helispots have potentially damaged many cultural resources. Secondary impacts to cultural resources from construction of bulldozer lines may result because these lines have opened areas to the public that were previously not accessible by road.

Many roads were damaged by fire fighting equipment either from repeated use by heavy vehicles or due widening of the roads or two-track trails so they could serve as firelines. The original fire fighting activities may have impacted cultural resources. Planned post-fire road maintenance could add to the damage. Cultural resource inventories are needed to assess the impacts and to prevent new impacts.

New fences are planned to protect seedings or burn areas. These fences will be inventoried for cultural resources and rerouted as necessary to avoid eligible sites.

This prescription will focus on the inventory of disturbed areas or areas which will be disturbed, and the evaluation of historic properties located for potential eligibility to the National Register of Historic Places. All dozer line, damaged roads and proposed new fences will receive survey coverage. Actual field experience may require modification of this assumption. Management recommendations will be developed for eligible historic properties in a manner responsive to the damage and the information potential of the site.

B. Location (Suitable) Sites: All areas of dozer line and mechanized ground disturbance.

C. Design/Construction Specifications:

1. Archival research of existing field office records
2. Consult with tribal organizations and knowledgeable individuals
3. Obtain permission of all private land owners prior to entering private property
4. Conduct field inventory. Record all sites on the forms required for the area. Prepare preliminary estimates of damage and significance for properties disturbed by line construction
5. Prepare analysis of the potential effects to cultural properties
6. Recommendations for evaluation of significance for potentially eligible properties

D. Purpose of Treatment Specifications: Identification, evaluation, protection and mitigation of significant cultural properties.

II. LABOR, MATERIALS AND OTHER COST:

▶ PERSONNEL SERVICES: (Grade @ Cost/Hours X # Hours X # Fiscal Years = Cost/Item Do not include contract personnel costs here (see contractor services below).	COST/ITEM
TOTAL PERSONNEL SERVICE COST	
▶ EQUIPMENT PURCHASE, LEASE AND /OR RENT (Item @ Cost/Hour X # of House X # Fiscal Years = Cost/Item): Note: Purchase require written justification that demonstrates cost benefits over leasing or renting.	COST/ITEM
TOTAL EQUIPMENT PURCHASE, LEASE OR RENTAL COST	
▶ MATERIALS AND SUPPLIES: (Item @ Cost/Each X Quantity X # Fiscal Years = Cost/Item:	COST/ITEM
TOTAL MATERIALS AND SUPPLY COST	
▶ TRAVEL COST (Personnel or Equipment @ Rate X Round Trips X #Fiscal Years = Cost/Item:	COST/ITEM
TOTAL TRAVEL COST	
▶ CONTRACT COST (Labor or Equipment @ Cost/Hour X # hours X #Fiscal Years = Cost/Item):	
Professional Services Contract, labor, per diem, overhead inclusive Example Calculation : South Cricket Fire: 89.5 miles x 11.88 acres per mile x \$15.00 per acre = \$15,948.90. NOTE: All linear surveys were calculated at the average rate of \$15/acre except for the Camp Creek, Cold Springs, Choke Cherry, and West Basin Fires, which were calculated at the rate of \$30/acre. These four fires are all located within a natural source of obsidian that was used to make stone tools, and the region has the highest known site density in the Elko District; thus, the costs to complete the inventory within these fires will be much higher than the average rate of linear survey. See Cost by Fire Table at end of specification for detail miles per fire.	\$103,777.68
Contract Administration and oversight (4% to field office)	\$4151.10
TOTAL CONTRACT COST	107928.78

SPECIFICATION COST SUMMARY

FISCAL YEAR	UNIT	UNIT COST	# OF UNITS	COST	FUNDING SOURCE	METHOD
FY 1	Miles Miles	\$178.20 \$356.40	227.80 181.05	\$40,587.96 \$64,526.22	F F	C C
FY 2						
FY 3						
TOTAL:				\$103,777.68	F	C

FUNDING SOURCES:

F = Fire Suppression Account
EFR = Emergency Fire Rehabilitation
OP = Agency Operating Fund
O = Other

METHODS:

P = Agency Personnel Services
C = Contract (Long-Term)
EFC = Emergency Fire Contract
FC = Crew Labor Assigned to Fire

SOURCE OF COST ESTIMATE

1. Estimate obtained from 2-3 independent contractual sources.	
2. Documented cost figures from similar project work obtained from local agency sources.	C
3. Estimate supported by cost guides from independent sources or other federal agencies.	
4. Estimates based upon government wage rates and material cost.	
5. No cost estimate required - cost charged to Fire Suppression Account.	

P = Personnel Services, **M** = Materials/Supplies, **T** = Travel, **C** = Contract, **F** = Suppression

III. RELEVANT DETAILS, MAPS AND DOCUMENTATION INCLUDED IN THIS REPORT:

List Relevant Documentation and Cross-Reference Location within BAER Report: Cost estimates are to be found in Incident File

IV. TOTAL COST BY FIRE

FIRE NAME	UNITS TREATED	COST
South Cricket Bulldozer Line Road Maintenance New Fence Total	89.5 Miles 0 Miles 0 Miles 89.5 Miles	\$15,948.90
Wimpy Bulldozer Line Road Maintenance New Fence Total	33.6 Miles 6 Miles 0 Miles 39.6 Miles	\$7,056.72
Charlie Bulldozer Line Road Maintenance New Fence Total	20.0 Miles 3.25 Miles 0 Miles 23.25 Miles	\$4,143.15
Gamble		
18 mile		
21 mile		
Camp Creek Bulldozer Line Road Maintenance New Fence Total	4.0 Miles 1.0 Miles 20.2 Miles 25.2 Miles	\$8981.28
Mahogany Bulldozer Line Road Maintenance New Fence Total	0 Miles 1.0 Miles 0 Miles 1.0 Miles	\$172.20
Cold Springs Bulldozer Line Road Maintenance New Fence Total	3.5 Miles 0 Miles 3.5 Miles 7 Miles	\$2,494.80
Adobe Bulldozer Line Road Maintenance New Fence Total	17.8 Miles 0 Miles 0 Miles 17.8 Miles	\$3,171.96
Sheep Pen Bulldozer Line Road Maintenance New Fence Total	2 Miles 0 Miles 0 Miles 2 Miles	\$356.40

Vega	Bulldozer Line Road Maintenance New Fence Total	4.7 Miles 0 Miles 0 Miles 4.7 Miles	\$837.54
Three Mile	Bulldozer Line Road Maintenance New Fence Total	1.8 Miles 0 Miles 0 Miles 1.8 Miles	\$320.76
Rabbit	Bulldozer Line Road Maintenance New Fence Total	24.9 Miles 9.5 Miles 7.5 Miles 41.9 Miles	\$7,466.58
Mule	Bulldozer Line Road Maintenance New Fence Total	1.75 Miles 0 Miles 0 Miles 1.75 Miles	\$311.85
Patty Jack	Bulldozer Line Road Maintenance New Fence Total	1.0 Miles 0 Miles 0 Miles 1.0 Miles	\$178.20
Choke Cherry	Bulldozer Line Road Maintenance New Fence Total	37.0 Miles 3.0 Miles 1.5 Miles 41.5 Miles	\$14,790.60
West Basin	Bulldozer Line Road Maintenance New Fence Total	79.5 Miles 0 Miles 24.1 Miles 103.6 Miles	\$36,923.04
TOTAL COST		401.6 Miles	\$103,777.68